



# ODORID® DRY SAFETY DATA SHEET

## SECTION 1: IDENTIFICATION

**Product Identifier:**

Odorid® Dry

**Other means of Identification:**

Mixture of sodium chlorite and amorphous silica

**Recommended Use:**

For impregnation on paper for control of odor

**Chemical Manufacturer:**

Bio-Cide International, Inc.  
2650 Venture Drive  
Norman, Oklahoma 73069  
Phone: (405) 329-5556  
Fax: (405) 329-2681

**Emergency Telephone Number:**

Chemtrec for transportation emergencies in the United States, Canada, Puerto Rico, and Virgin Islands 1-800-424-9300; All other areas 1-703-527-3887  
American Association of Poison Control Centers 1-800-222-1222  
Chemtrec contract number 2749

## SECTION 2: HAZARD(S) IDENTIFICATION

**Classification in accordance with OSHA 29 CFR 1910.1200 (d):**

Oxidizing solid: Category 2  
Acute toxicity, oral: Category 4  
Acute toxicity, dermal: Category 3  
Acute toxicity, inhalation: Category 4  
Skin irritation: Category 2  
Serious eye damage: Category 1  
Specific target organ toxicity, repeat exposure: Category 1  
Carcinogen Category 1

**GHS Label elements, including precautionary statements:**

**Signal word:     **Danger****

**Pictograms:**



**Hazard Statements:**

Causes skin irritation

Causes serious eye damage  
Harmful if swallowed  
Toxic in contact with skin  
Harmful if inhaled  
Oxidizing solid  
Causes damage to lungs, blood, spleen and stomach through prolonged or repeated exposure  
May cause cancer by inhalation

**Precautionary statements:**

Do not breath dust.  
Do not eat, drink or smoke when using this product.  
Wash hands thoroughly after handling.  
May intensify fire; oxidizer  
In case of fire: Use agent suitable for surrounding fire to extinguish.  
Take any precaution to avoid mixing with combustibles, acids, chlorine or organic materials.  
Keep away from heat/sparks/open flames/hot surfaces.  
Keep/Store away from clothing and other combustible materials.  
Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.  
Wear protective gloves/protective clothing/eye protection/face protection.  
Use only outdoors or in a well-ventilated area.

**Response statements:**

If in eyes; remove contact lenses if present and easy to do. Rinse cautiously with water for several minutes. If eye irritation persists; Get medical attention.  
If swallowed; call a poison control center if you feel unwell. Rinse mouth.  
If inhaled; remove victim to fresh air and keep at rest in a position comfortable for breathing.  
Call a doctor or poison control center if you feel unwell.  
Clean spillage to prevent material damage.  
Store in corrosive resistant container.  
Dispose of contents and container in accordance with local regulations.

**Storage statements:**

Store locked up.  
Store in corrosion resistant container.

**SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS**

Substance	CAS #	Concentration
Sodium chlorite	7758-19-2	10 – 20%
Amorphous silica	68855-54-9	80 – 90%
Other ingredients	–	Balance

If the specific chemical identity and/or the exact percentage of an ingredient are not specified, the information has been withheld as a trade secret.

**SECTION 4: FIRST-AID MEASURES**

In case of skin contact; Brush off excess chemical immediately, remove and launder contaminated clothing and shoes immediately. Wash affected area with soap and water.

In case of eye contact; rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed; do not induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

If inhaled: Move to uncontaminated area. Evaluate ABC's (is Airway constricted, is Breathing occurring, and is blood Circulating) and treat symptomatically.

Chlorine dioxide vapors are emitted when this product contacts acids or chlorine. Small amounts of ClO<sub>2</sub> is emitted if product is mixed with water or subjected to high humidity. If these vapors are inhaled move person into fresh air. If not breathing, give artificial respiration. Consult a physician. Monitor patient closely for delayed development of pulmonary edema which may occur up to 48-72 hours post inhalation.

## SECTION 5: FIRE-FIGHTING MEASURES

Substance does not burn but supports the combustion of flammable substances through the liberation of oxygen. Water is the preferred extinguishing media when it is compatible with the burning substance. If water is not compatible, use dry powder extinguisher.

Burning will release hydrogen chloride gas (HCl) and oxides of sodium (NaO<sub>x</sub>).

Firefighters should wear self-contained breathing apparatus (SCBA) if necessary.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### SPILL PROCEDURE

#### Personal Precautions:

Isolate hazard area and deny entry. Keep unnecessary and unprotected personnel from entering the area. Avoid contact with skin and eyes. Do not breathe dust, fume, gas, mist, vapors, or spray. Do not ingest. Wear appropriate personal protective equipment recommended in Section 8, Exposure Controls/Personal Protection, of the SDS.

#### Methods and Materials for Containment and Cleaning Up:

DO NOT use floor sweeping compounds to clean up spills. Dampen and scoop spilled material into clean, dedicated equipment. Every attempt should be made to avoid mixing spilled material with other chemicals or debris when cleaning up. Keep collected material damp and put into drums. Dispose of in accordance with all applicable regulations.

#### Environmental Precautions:

This material is harmful to aquatic life. Keep out of water supplies and sewers. Should not be released into the environment. Releases should be reported, if required, to appropriate agencies.

## SECTION 7: HANDLING AND STORAGE

### HANDLING:

Use product only as directed by the label. Avoid contact with skin and eyes; avoid breathing any vapors or fumes resulting from product activation. Wash thoroughly after handling. Thoroughly rinse all protective gear and handling equipment, such as transfer pumps and lines, with water prior to reuse or storage. Keep away from children, animals, and unauthorized personnel.

### PRODUCT STORAGE:

Store in a cool, dry, well-ventilated location away from acids, chlorine and chlorine compounds, hypochlorite (bleach), organic solvents, sulfur and sulfite compounds, phosphorus, combustible/flammable materials, and direct sunlight. Do not let storage temperature exceed 125° F (52° C). Keep containers tightly closed when not in use and open carefully to prevent spillage. Storage on wooden floors and pallets is not recommended. Do not contaminate water, food or feed by storage or disposal.

## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

No Occupational Safety and Health Administration (OSHA) permissible exposure limit (PEL) or American Conference of Governmental Industrial Hygienists (ACGIH) threshold limit values (TLV) have been established for this product.

Wear splash proof goggles to protect the eyes. Use gloves and protective clothing to protect against skin contact. Remove contaminated clothing immediately and laundry before reuse.

Wear a NIOSH approved N95 respirator to protect against fine powder inhalation.

In accordance with OSHA regulations (29 CFR 1910.134 and 29 CFR 1910.1000), dry fog applications may require worker respiratory protection using a NIOSH/MSHA approved air purifying respirators (APR) with cartridges approved for chlorine dioxide (ClO<sub>2</sub>)

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

- (a) **Appearance (physical state, color, etc.);** White Powder
- (b) **Odor;** Slight odor of chlorine
- (c) **Odor threshold;** Not determined
- (d) **pH;** Not applicable
- (e) **Melting point/freezing point;** Partial components may melt at >180° C.
- (f) **Initial boiling point and boiling range;** Not applicable
- (g) **Flash point;** Not applicable
- (h) **Evaporation rate;** Not applicable
- (i) **Flammability (solid, gas);** Not flammable
- (j) **Upper/lower flammability or explosive limits;** Not flammable
- (k) **Vapor pressure;** Not applicable
- (l) **Vapor density;** Not applicable
- (m) **Relative density;** Varies with particle size
- (n) **Solubility(ies);** Approximately 20%
- (o) **Partition coefficient: n-octanol/water;** Not determined
- (p) **Auto-ignition temperature;** Not applicable
- (q) **Decomposition temperature;** Not determined
- (r) **Viscosity;** Not applicable

## SECTION 10: STABILITY AND REACTIVITY

- (a) **Reactivity;** Not reactive under normal temperatures and pressures.
- (b) **Chemical stability;** Stable at normal temperatures and pressures.
- (c) **Possibility of hazardous reactions;** Contact with acids or chlorine can result in the evolution of chlorine dioxide gas (ClO<sub>2</sub>)
- (d) **Conditions to avoid:** Avoid heat, flames, sparks and other sources of ignition. Avoid evaporation to dryness. Dried material can ignite upon contact with combustibles. Avoid contamination with foreign materials. Avoid exposure to sunlight or ultraviolet light.
- (e) **Incompatible materials;** Acids, Reducing agents, Combustible material, Oxidizing agents, Hypochlorite, Organic solvents and compounds, Garbage, Dirt, Organic materials, Household products, Chemicals, Soap products, Paint products, Vinegar, Beverages, Oils, Pine oil, Dirty rags, Sulfur-containing rubber, or any other foreign matter

## SECTION 11: TOXICOLOGICAL INFORMATION

### TOXICITY DATA for Sodium Chlorite Component:

Component	LD50 Oral:	LD50 Dermal:	LC50 Inhalation:
Sodium chlorite 7758-19-2	165 mg/kg (Rat)	107.2 mg/kg (Rabbit)	230 mg/m <sup>3</sup> (4 hr-Rat)

**Chronic effects:** This product contains crystalline silica. Respirable crystalline silica may cause lung cancer and lung disease (silicosis) if inhaled for prolonged periods. Symptoms of silicosis include wheezing, cough and shortness of breath. Prolonged or repeated exposure to sodium chlorite through ingestion may cause damage to blood or kidneys.

**Carcinogenicity:** Respirable crystalline silica is classified by IARC and NTP as a known human carcinogen. Crystalline silica is only known to cause cancer when inhaled in a respirable form. It is not known to cause cancer by any other route of exposure.

## SECTION 12: ECOLOGICAL INFORMATION

Odorid<sup>®</sup> Dry is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, rivers or streams. Do not discharge effluent containing this product to sewer systems without first notifying the sewage treatment plant.

Odorid<sup>®</sup> Dry does not bio-accumulate and is biodegradable.

## SECTION 13: DISPOSAL CONSIDERATIONS

**PRODUCT DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER DISPOSAL:** Do not reuse or refill this container. Offer for recycling if available. Offer for reconditioning if appropriate. Triple rinse container, or equivalent, promptly after emptying.

**Triple rinse as follows:** Empty remaining contents into application equipment or mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip the container on its side and roll it back and forth, ensuring at least one complete revolution for 30 seconds. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this process two more times.

## SECTION 14: TRANSPORT INFORMATION

**UN number:** 1496

**Proper shipping name:** Sodium chlorite (mixture)

**Class:** 5.1

**Packing group:** II

## SECTION 15: REGULATORY INFORMATION

### U.S. REGULATIONS

#### OSHA REGULATORY STATUS:

This material is considered hazardous by the OSHA Hazard Communication standard (29CFR 1910.1200)

## **NATIONAL INVENTORY STATUS**

### **U.S. INVENTORY STATUS: Toxic Substance Control Act (TSCA):**

All components are listed or exempt.

### **TSCA 12(b):**

This product is not subject to export notification.

### **Canadian Chemical Inventory:**

Components of this product are listed on either the DSL or the NDSL

## **STATE REGULATIONS**

Contact your Kemin account representative for state-specific regulatory information.

## **SECTION 16: OTHER INFORMATION**

**NOTICE:** Manufacturer believes the information contained herein is accurate; however we make no guarantees with respect to such accuracy and assume no liability in connection with the use of the information contained herein by any party. Any party using this product should review all such laws, rules or regulations prior to use.

**NO WARRANTY IS MADE, EXPRESS OR IMPLIED FOR A PARTICULAR PURPOSE OR OTHERWISE**

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